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**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q94683

Hiroshi KUBO, et al.

Appln. No.: 10/580,403

Group Art Unit: Unknown

Confirmation No.: 2089

Examiner: Unknown

Filed: May 24, 2006

For: COMPOSITION HAVING LIVER FUNCTION PROTECTING EFFECT

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed no later than three months from the application's filing date, and therefore no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

Documents 1 - 8 noted below were previously cited in the Information Disclosure Statement filed May 24, 2006, as documents that were cited in International Search Report; copies and English language Abstracts thereof have been obtained and are provided herewith.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

1. The indication in the International Search Report of the degree of relevance found by the foreign patent office and the submission of an English language abstract for JP 2003-026625 each constitutes a concise statement of relevance of JP 2003-026625. Furthermore, EP 1386095 corresponds to JP 2003-026625.

2. The indication in the International Search Report of the degree of relevance found by the foreign patent office, the submission of an English language abstract, and a computer translation for JP 2003-119127 each constitutes a concise statement of relevance of JP 2003-119127.

3. The indication in the International Search Report of the degree of relevance found by the foreign patent office, and the submission of an English language abstract of TATSUYA AMIMOTO, "*ACETAMINOPHEN NI YORU MOUSE KANSHOGAI KIKO TO SHIYOSEI KOSANKAZAI NI YORU HOGO KIKO*", HIROSHIMA DAIGAKU IGAKU ZASSHI, 1993, VOL. 41, NO. 6, PAGES 417 TO 427, PAGE 421 (AMIMOTO) each constitutes a concise statement of relevance of AMIMOTO.

4. The indication in the International Search Report of the degree of relevance found by the foreign patent office, the submission of an English language abstract, and a computer translation for JP 2003-104945 each constitutes a concise statement of relevance of JP 2003-104945.

5. The disclosure on page 3 of the present specification, the indication in the International Search Report of the degree of relevance found by the foreign patent office, and the present submission of an English language abstract for JP Hei-10-109933 each constitutes a concise statement of relevance of JP Hei-10-109933. Furthermore, U.S. Patent 6,184,255 claims priority of JP Hei-10-109933.

6. The indication in the International Search Report of the degree of relevance found by the foreign patent office, the submission of an English language abstract, and a computer translation for JP Hei-09-187229 each constitutes a concise statement of relevance of JP Hei-09-187229.

7. The disclosure on page 3 of the present specification, the indication in the International Search Report of the degree of relevance found by the foreign patent office, and the present submission of an English language abstract for JP 2003-306429 each constitutes a concise statement of relevance of JP 2003-306429.

8. The indication in the International Search Report of the degree of relevance found by the foreign patent office, and the submission of an English language abstract of H. MARUYAMA et al, "ENDOTOXIN SHOCK-JI NO KANSAIBO SHOGAI NI TAISURU COENZYME Q10 NO YUYOSEI NI TSUITE TOKUNI ENDOTOXIN KASSEIKA TAKAKU

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Attorney Docket No.: Q94683

HAKKEKKYU O CHUSHIN NI", Nihon Ika Daigaku Zasshi, 1995 Nen, Vol. 62, No. 3, pages 271 - 282, Figs. 2, 3 (MARUYAMA) each constitutes a concise statement of relevance of MARUYAMA.

9. The disclosure on page 2 of the present specification and the present submission of an English language abstract for JP Hei-11-199477 each constitutes a concise statement of relevance of JP Hei-11-199477.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

  
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<p>Substitute for Form 1449 A &amp; B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	10/580,403
				Confirmation Number	2089
				Filing Date	May 24, 2006
				First Named Inventor	Hiroshi KUBO
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	Q94683

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US 6,184,255		02-06-2001	Mae et al
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	2003-26625	A	01-29-2003	KANEKA CORP.	ISR, Abstract and corresponds to EP 1386095
		EP	1386095				
		JP	2003-119127	A	04-23-2003	KANEKA CORP.	ISR, Abstract and computer translation
		JP	2003-104945	A	04-09-2003	JIRO TAKADA, KAZUHIRO IMAI	ISR, Abstract and computer translation

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		VALLERIAN E.K., ELENA A. ET AL., "ANTIOXIDANT ACTION OF UBIQUINOL HOMOLOGUES WITH DIFFERENT ISOPRENOID CHAIN LENGTH IN BIOMEMBRANES", FREE RADICAL BIOLOGY & MEDICINE, 1990, VOL. 9, PAGES 117 TO 126, PAGE 119, FIG. 1C; PAGE 121, FIG. 4	
		TAKAHASHI T., SUGIMOTO N., TAKAHATA K. ET AL., "CELLULAR ANTIOXIDANT DEFENSE BY A UBIQUINOL-REGENERATING SYSTEM COUPLED WITH CYSTOLIC NADPH-DEPENDENT UBIQUINONE REDUCTASE: PROTECTIVE EFFECT AGAINST CARBON TETRACHLORIDE-INDUCED HEPATOTOXICITY IN THE RAT", BIOL. PHARM. BULL., 1996, VOL. 19, NO. 8, PAGES 1005 TO 1012, PAGE 1010, LOWER LEFT COLUMN	
		TATSUYA AMIMOTO, "ACETAMINOPHEN NI YORU MOUSE KANSHOGAI KIKO TO SHIYOEI KOSANKAZAI NI YORU HOGO KIKO", HIROSHIMA DAIGAKU IGAKU ZASSHI, 1993 NEN, VOL. 41, NO. 6, PAGES 417 TO 427, PAGE 421, LEFT COLUMN, LINE 4 TO PAGE 422, RIGHT COLUMN, LINE 6; PAGE 422, TABLES 1, 2	ISR and Abstract

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.

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				Art Unit	Unknown
				Examiner Name	Unknown
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	US				
	US				
	US				

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	JP	10-109933	A	04-28-1998	KANEKA CORP.	Spec., ISR, Abstract, and USP '255 claims priority of JP 109933	
	JP	9-187229	A	07-22-1997	IDEMITSU MATERIALS CO., LTD.	ISR, Abstract and computer translation	
	JP	2003-306429	A	10-28-2003	NISSHIN FARUMA KABUSHIKI KAISHA	Spec. and Abstract	
	WO	2000/057871	A2	10-05-2000	PURDUE RESEARCH FOUNDATION		
	JP	11-199477		07-27-1999	PHARMA NORD UK LTD	Spec and Abstract	

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.				Translation <sup>6</sup>
		T. MATSURA, K. YAMADA, T. KAWASAKI, "PROTECTIVE EFFECTS OF COENZYME Q10 AND A-TOCOPHEROL AGAINST FREE RADICAL-MEDIATED LIVER CELL INJURY, REDOX REPORT, 1995, VOL. 1, NO. 5, PAGES 343 TO 347, PAGE 345, RIGHT COLUMN, LINES 10 TO 18				
		ABDULLAH M.A.B., "KHURDHID A. ET AL., "COENZYME Q10 AMELIORATES THE HEPATIC TOXICITY INDUCED BY CARBON TETRACLORIDE IN MICE", RESEARCH COMMUNICATIONS IN PHARMACOLOGY AND TOXICOLOGY, 1999, VOL. 4, NO. 3, 4, PAGES 163 TO 170, TABLE 1, FIGS. 1, 2				
		HIROSHI MARUYAMA, KIYONORI KIKKAWA, MASAHICO ONDA, "ENDOTOXIN SHOCK-ji NO KANSAIBO SHOGAI NI TAISURU COENZYME Q10 NO YUYOSEI NI TSUITE TOKUNI ENDOTOXIN KASSEIKA TAKAKU HAKKEKKYU O CHUSHIN NI", NIHON IKA DAIGAKU ZASSHI, 1995 NEN, VOL. 62, NO. 3, PAGES 271 TO 282, FIGS. 2, 3				ISR and Abstract

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